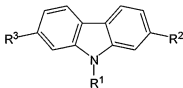


**Amendments to the Claims**

This listing of the claims will replace all prior versions and listings of claims in the application.

**Listing of the Claims:**

1. (Withdrawn) A compound of Formula I:



**Formula I**

wherein:

R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, decyl, phenyl, and 4-octyloxyphenyl;

R<sup>2</sup> and R<sup>3</sup> are independently selected from the group consisting of H, methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, decyl, formyl, hydroxymethyl, trityloxymethyl, cyanomethyl, chloromethyl, methyl diethylphosphonate, methyltriphenylphosphonium and vinyl,

with the proviso that:

both R<sup>2</sup> and R<sup>3</sup> are not H;

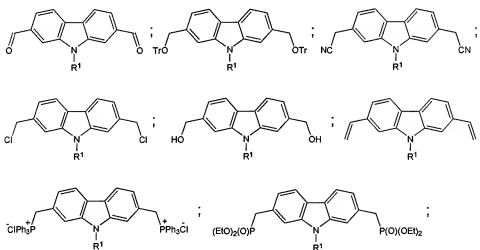
when R<sup>1</sup> is methyl, both R<sup>2</sup> and R<sup>3</sup> are not formyl;

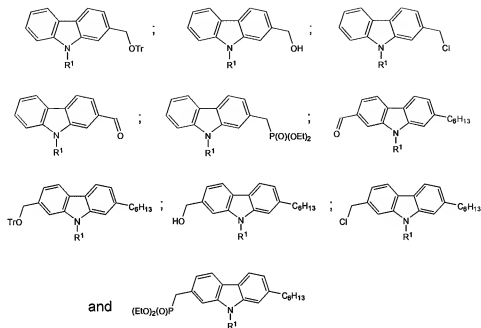
when R<sup>2</sup> is methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, or decyl, R<sup>3</sup> is selected from the group consisting

of formyl, hydroxymethyl, trityloxymethyl, cyanomethyl, chloromethyl, methyl diethylphosphonate, methyltriphenylphosphonium and vinyl; and

when  $R^1$  is ethyl,  $R^2$  is selected from the group consisting of hydroxymethyl, trityloxymethyl, cyanomethyl, chloromethyl, methyl diethylphosphonate, and methyltriphenylphosphonium and  $R^3$  is selected from the group consisting of H, methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, decyl, formyl, hydroxymethyl, trityloxymethyl, cyanomethyl, chloromethyl, methyl diethylphosphonate, methyltriphenylphosphonium and vinyl.

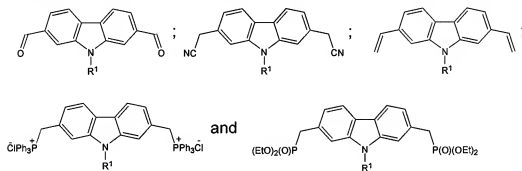
2 (Withdrawn) A compound as defined in claim 1, selected from the group consisting of:





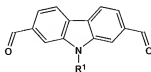
wherein  $R^1$  is as defined in claim 1.

3. (Withdrawn) A compound as defined in claim 1, selected from the group consisting of:



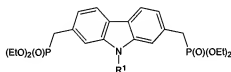
wherein  $R^1$  is as defined in claim 1.

4. (Withdrawn) A compound as defined in claims 2 or 3 having the formula:



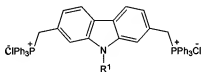
wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, decyl, phenyl and 4-octyloxyphenyl.

5. (Withdrawn) A compound as defined in claim 4, wherein R<sup>1</sup> is hexyl, 2-ethylhexyl or 4-octyloxyphenyl.
6. (Withdrawn) A compound as defined in claims 2 or 3 having the formula:



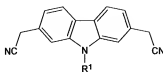
wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, and decyl.

7. (Withdrawn) A compound as defined in claim 6, wherein R<sup>1</sup> is hexyl or 2-ethylhexyl.
8. (Withdrawn) A compound as defined in claims 2 or 3 having the formula:



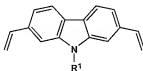
wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, and decyl.

9. (Withdrawn) A compound as defined in claim 8, wherein R<sup>1</sup> is 2-ethylhexyl.
10. (Withdrawn) A compound as defined in claims 2 or 3 having the formula:



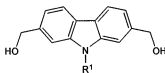
wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, and decyl.

11. (Withdrawn) A compound as defined in claim 10, wherein R<sup>1</sup> is 2-ethylhexyl.
12. (Withdrawn) A compound as defined in claims 2 or 3 having the formula:



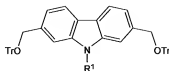
wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, and decyl.

13. (Withdrawn) A compound as defined in claim 12, wherein R<sup>1</sup> is 2-ethylhexyl.
14. (Withdrawn) A compound as defined in claim 2 having the formula:



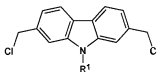
wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, and decyl.

15. (Withdrawn) A compound as defined in claim 14, wherein R<sup>1</sup> is hexyl or 2-ethylhexyl.
16. (Withdrawn) A compound as defined in claim 2 having the formula:



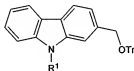
wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, decyl, phenyl and 4-octyloxyphenyl.

17. (Withdrawn) A compound as defined in claim 16, wherein R<sup>1</sup> is hexyl, 2-ethylhexyl or 4-octyloxyphenyl.
18. (Withdrawn) A compound as defined in claim 2 having the formula:



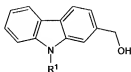
wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, and decyl.

19. (Withdrawn) A compound as defined in claim 18, wherein R<sup>1</sup> is hexyl.
20. (Withdrawn) A compound as defined in claim 2 having the formula:



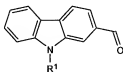
wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, and decyl.

21. (Withdrawn) A compound as defined in claim 20, wherein R<sup>1</sup> is hexyl.
22. (Withdrawn) A compound as defined in claim 2 having the formula:



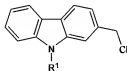
wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, and decyl.

23. (Withdrawn) A compound as defined in claim 22, wherein R<sup>1</sup> is hexyl.
24. (Withdrawn) A compound as defined in claim 2 having the formula:



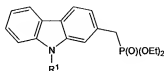
wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, and decyl.

25. (Withdrawn) A compound as defined in claim 24, wherein R<sup>1</sup> is hexyl.
26. (Withdrawn) A compound as defined in claim 2 having the formula:

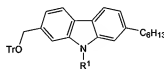


wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, and decyl.

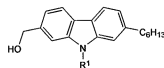
27. (Withdrawn) A compound as defined in claim 26, wherein R<sup>1</sup> is hexyl.
28. (Withdrawn) A compound as defined in claim 2 having the formula:



- wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, and decyl.
29. (Withdrawn) A compound as defined in claim 28, wherein R<sup>1</sup> is hexyl.
30. (Withdrawn) A compound as defined in claim 2 having the formula:

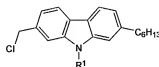


- wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, and decyl.
31. (Withdrawn) A compound as defined in claim 30, wherein R<sup>1</sup> is methyl.
32. (Withdrawn) A compound as defined in claim 2 having the formula:



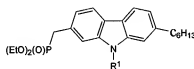
- wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, and decyl.

33. (Withdrawn) A compound as defined in claim 32, wherein R<sup>1</sup> is methyl.
34. (Withdrawn) A compound as defined in claim 2 having the formula:



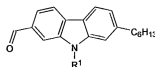
wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, and decyl.

35. (Withdrawn) A compound as defined in claim 34, wherein R<sup>1</sup> is methyl.
36. (Withdrawn) A compound as defined in claim 2 having the formula:



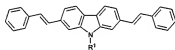
wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, and decyl.

37. (Withdrawn) A compound as defined in claim 36, wherein R<sup>1</sup> is methyl.
38. (Withdrawn) A compound as defined in claim 2 having the formula:



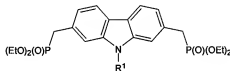
wherein  $R^1$  is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, and decyl.

39. (Withdrawn) A compound as defined in claim 38, wherein  $R^1$  is methyl.
40. (Withdrawn) An oligomer comprising the reaction product of a first compound of Formula I as defined in claim 1, wherein at least one of  $R^2$  or  $R^3$  is selected from the group consisting of formyl, methyl diethylphosphonate, methyltriphenylphosphonium, cyanomethyl, and vinyl and wherein  $R^1$  is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, decyl, phenyl and 4-octylphenyl, and at least a second compound, said second compound being either a compound of Formula I as defined in claim 1, wherein at least one of  $R^2$  or  $R^3$  is selected from the group consisting of formyl, methyl diethylphosphonate, methyltriphenylphosphonium, cyanomethyl, and vinyl and wherein  $R^1$  is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, decyl, phenyl and 4-octylphenyl; benzaldehyde; 5,5'-diformyl-2,2'-bithiophene, 4-bromo-1,1'-biphenyl; benzyl cyanide; or 1,4-bis(methylphosphonate)benzene.
41. (Withdrawn) An oligomer as defined in claim 40 having the formula:

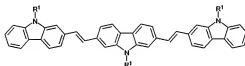


wherein  $R^1$  is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, decyl, phenyl and 4-octyloxyphenyl.

42. (Withdrawn) An oligomer as defined in claim 41, wherein R<sup>1</sup> is hexyl or 2-ethylhexyl.
43. (Withdrawn) An oligomer as defined in claim 42, wherein R<sup>1</sup> is hexyl.
44. (Withdrawn) An oligomer as defined in claim 41 wherein the first compound of Formula I is of the formula:

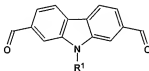


- wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, decyl, phenyl and 4-octyloxyphenyl.
45. (Withdrawn) An oligomer as defined in claim 44, wherein R<sup>1</sup> is hexyl or 2-ethylhexyl.
46. (Withdrawn) An oligomer as defined in claim 45, wherein R<sup>1</sup> is hexyl.
47. (Withdrawn) An oligomer as defined in any one of claims 41 to 46, wherein the second compound is benzaldehyde.
48. (Withdrawn) An oligomer as defined in claim 40 having the formula:

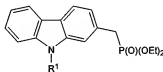


- wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, decyl, phenyl and 4-octyloxyphenyl.

49. (Withdrawn) An oligomer as defined in claim 48, wherein R<sup>1</sup> is hexyl or 2-ethylhexyl.
50. (Withdrawn) An oligomer as defined in claim 49, wherein R<sup>1</sup> is hexyl.
51. (Withdrawn) An oligomer as defined in claim 48 wherein the first compound of Formula I is of the formula:

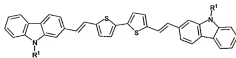


- wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, decyl, phenyl and 4-octyloxyphenyl.
52. (Withdrawn) An oligomer as defined in claim 51, wherein R<sup>1</sup> is hexyl, 2-ethylhexyl or 4-octyloxyphenyl.
53. (Withdrawn) An oligomer as defined in claim 48 wherein the second compound of Formula I is of the formula:

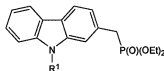


- wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, decyl, phenyl and 4-octyloxyphenyl.
54. (Withdrawn) An oligomer as defined in claim 53, wherein R<sup>1</sup> is hexyl.

55. (Withdrawn) An oligomer as defined in claim 40 having the formula:

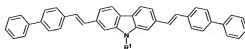


- wherein  $R^1$  is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, decyl, phenyl and 4-octyloxyphenyl.
56. (Withdrawn) An oligomer as defined in claim 55, wherein  $R^1$  is hexyl.
57. (Withdrawn) An oligomer as defined in claim 55 wherein the first compound of Formula I is of the formula:



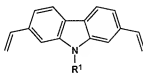
- wherein  $R^1$  is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, decyl, phenyl and 4-octyloxyphenyl.
58. (Withdrawn) An oligomer as defined in claim 57, wherein  $R^1$  is hexyl.
59. (Withdrawn) An oligomer as defined in any one of claims 55 to 58, wherein the second compound is 5,5'-diformyl-2-2'-bithiophene.

60. (Withdrawn) An oligomer as defined in claim 40 having the formula:



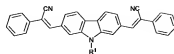
wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, decyl, phenyl and 4-octyloxyphenyl.

61. (Withdrawn) An oligomer as defined in claim 60, wherein R<sup>1</sup> is 2-ethylhexyl.
62. (Withdrawn) An oligomer as defined in claim 60 wherein the first compound of Formula I is of the formula:



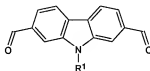
wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, decyl, phenyl and 4-octyloxyphenyl.

63. (Withdrawn) An oligomer as defined in claim 62, wherein R<sup>1</sup> is 2-ethylhexyl.
64. (Withdrawn) An oligomer as defined in any one of claims 60 to 63, wherein the second compound is 4-bromo-1,1'-biphenyl.
65. (Withdrawn) An oligomer as defined in claim 40 having the formula:



wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, decyl, phenyl and 4-octyloxyphenyl.

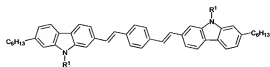
66. (Withdrawn) An oligomer as defined in claim 65, wherein R<sup>1</sup> is hexyl, 2-ethylhexyl or 4-octyloxyphenyl.
67. (Withdrawn) An oligomer as defined in claim 65 wherein the first compound of Formula I is of the formula:



wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, decyl, phenyl and 4-octyloxyphenyl.

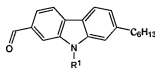
68. (Withdrawn) An oligomer as defined in claim 67, wherein R<sup>1</sup> is hexyl, 2-ethylhexyl or 4-octyloxyphenyl.
69. (Withdrawn) An oligomer as defined in any one of claims 65 to 68, wherein the second compound is benzyl cyanide.

70. (Withdrawn) An oligomer as defined in claim 40 having the formula:



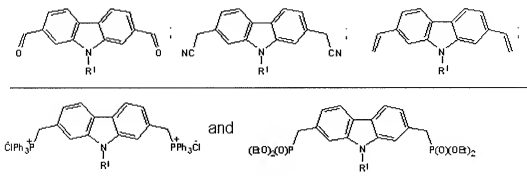
wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, decyl, phenyl and 4-octyloxyphenyl.

71. (Withdrawn) An oligomer as defined in claim 70, wherein R<sup>1</sup> is methyl.
72. (Withdrawn) An oligomer as defined in claim 70, wherein the first compound of Formula I is of the formula:



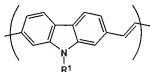
wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, decyl, phenyl and 4-octyloxyphenyl.

73. (Withdrawn) An oligomer as defined in claim 72, wherein R<sup>1</sup> is methyl.
74. (Withdrawn) An oligomer as defined in any one of claims 70 to 73, wherein the second compound is 1,4-(bis)methylphosphonate)benzene.
75. (Currently Amended) A polymer comprising the reaction product of a compound selected from the group consisting of:



wherein  $R^1$  is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, decyl, phenyl, and 4-octyloxyphenyl; of Formula I as defined in claim 3, and optionally at least one compound selected from the group consisting of 2,5-dioctyloxy-1,4-diformylbenzene; 2,5-bis(diphenylamino)terephthaldicarboxaldehyde; ~~4-(2-ethylhexyloxy)phenyl-bis(4-formylphenyl)amine; 6,6'-dibromo-2,2'-bis(2-ethylhexyloxy)-1,1'-binaphthyl;~~ and ~~3-hexyl-2,5-bis(methylphosphonate)thiophene.~~

76. (Original) A polymer as defined in claim 75, comprising monomeric groups of the formula:

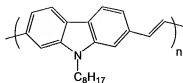


wherein  $R^1$  is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, decyl, phenyl and 4-octyloxyphenyl.

77. (Original) A polymer as defined in claim 76, wherein  $R^1$  is hexyl or 2-ethylhexyl.

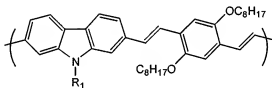
78. (Original) A polymer as defined in claim 77, wherein R<sup>1</sup> is 2-ethylhexyl.

79. (Original) A polymer as defined in claim 78 having the formula:



wherein “n” is an integer ranging from 5 to 100.

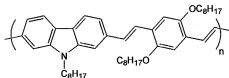
80. (Original) A polymer as defined in claim 75, comprising monomeric groups of the formula:



wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, decyl, phenyl and 4-octyloxyphenyl.

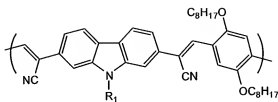
81. (Original) A polymer as defined in claim 80, wherein R<sup>1</sup> is hexyl or 2-ethylhexyl.

82. (Original) A polymer as defined in claim 81 having the formula:

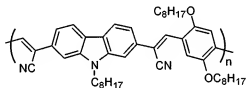


wherein “n” is an integer ranging from 5 to 100.

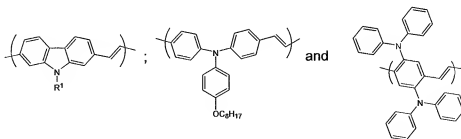
- 83.** (Original) A polymer as defined in claim 75, comprising monomeric groups of the formula:



- wherein  $R^1$  is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, decyl, phenyl and 4-octyloxyphenyl.
- 84.** (Original) A polymer as defined in claim 83, wherein  $R^1$  is hexyl or 2-ethylhexyl.
- 85.** (Original) A polymer as defined in claim 84 having the formula:



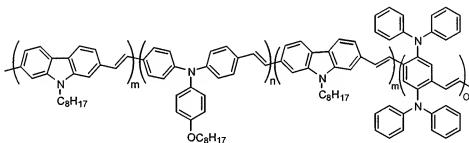
- wherein “n” is an integer ranging from 5 to 100.
- 86.** (Withdrawn) A polymer as defined in claim 75, comprising monomeric groups of the formula:



wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, decyl, phenyl and 4-octyloxyphenyl.

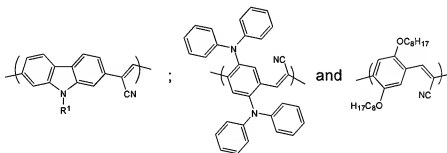
87. (Withdrawn) A polymer as defined in claim 86, wherein R<sup>1</sup> is hexyl or 2-ethylhexyl.

88. (Withdrawn) A polymer as defined in claim 87 having the formula:



wherein "n", "m", and "o" are integers ranging from 5 to 100.

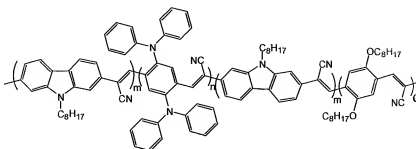
89. (Withdrawn) A polymer as defined in claim 75, comprising monomeric groups of the formula:



wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, decyl, phenyl and 4-octyloxyphenyl.

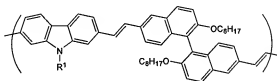
90. (Withdrawn) A polymer as defined in claim 89, wherein R<sup>1</sup> is hexyl or 2-ethylhexyl.

- 91.** (Withdrawn) A polymer as defined in claim 90 having the formula:



wherein “n”, “m”, and “o” are integers ranging from 5 to 100.

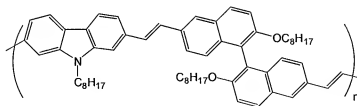
92. (Withdrawn) A polymer as defined in claim 75, comprising monomeric groups of the formula:



wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, decyl, phenyl and 4-octyloxyphenyl.

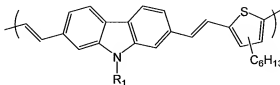
93. (Withdrawn) A polymer as defined in claim 92, wherein R<sup>1</sup> is hexyl or 2-ethylhexyl.

- 94.** (Withdrawn) A polymer as defined in claim 93 having the formula:



wherein “n” is an integer ranging from 5 to 100.

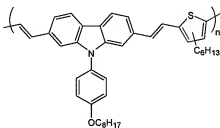
95. (Withdrawn) A polymer as defined in claim 75, comprising monomeric groups of the formula:



- wherein R<sup>1</sup> is selected from the group consisting of methyl, ethyl, propyl, isopropyl, cyclopropyl, butyl, *sec*-butyl, *tert*-butyl, cyclobutyl, pentyl, cyclopentyl, hexyl, cyclohexyl, heptyl, cycloheptyl, octyl, cyclooctyl, 2-ethylhexyl, nonyl, decyl, phenyl and 4-octyloxyphenyl.

96. (Withdrawn) A polymer as defined in claim 95, wherein R<sup>1</sup> is 4-octyloxyphenyl.

97. (Withdrawn) A polymer as defined in claim 96 having the formula:



wherein "n" is an integer ranging from 5 to 100.

98. (Amended and Withdrawn) A 2,7-carbazolevinylene-based material having charge transport properties comprising the oligomer and/or polymer of ~~claims 40-97~~ 75.
99. (Amended and Withdrawn) A film or coating having charge transport properties for use in an electronic device, comprising the oligomer and/or polymer of ~~claims 40-97~~ 75.
100. (Withdrawn) The film or coating of claim 99, wherein the electronic device is configured as a light-emitting diode.
101. (Withdrawn) The film or coating of claim 99, wherein the electronic device is configured as a field-effect transistor.

- 102.** (Withdrawn) The film or coating of claim **99**, wherein the electronic device is configured as a solar cell.